

CLAIMS

1. A diagnostic method for paratuberculosis characterized by comprising:

collecting blood of a subject animal;

adding an anti-interleukin 10 (IL-10) antibody and a *Mycobacterium avium* subsp. *paratuberculosis* antigen to the collected blood followed by culture; and

measuring an amount of produced interferon- γ (IFN γ) in the blood after the culture.

2. A diagnostic method for paratuberculosis according to Claim 1, characterized in that the amount of produced IFN γ in the blood is measured by an IFN γ ELISA method.

3. A diagnostic method for mycobacterial disease or mycobacterial infection characterized by comprising:

collecting the blood of a subject animal;

adding an anti-interleukin 10 (IL-10) antibody and a mycobacterial antigen to the collected blood followed by culture; and

measuring an amount of produced interferon- γ (IFN γ) in the blood after the culture.